



Re: 1at paper

Stephen Kraemer to: George Moridis

05/09/2012 10:39 AM

That should not be a problem. I may need to hound people on the electronic routing list.

Stephen R. Kraemer, Ph.D, Research Hydrologist

US EPA National Exposure Research Laboratory, on detail to Office of Science and Policy

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George Moridis

Steve: June 1 would be a drop-dead date. We h...

05/09/2012 10:36:57 AM

From: George Moridis <gmoridis@lbl.gov>
 To: Stephen Kraemer/ATH/USEPA/US@EPA
 Date: 05/09/2012 10:36 AM
 Subject: Re: 1at paper

Steve:

June 1 would be a drop-dead date. We have to attend the meeting.

George Moridis

GJMoridis@lbl.gov

On May 9, 2012, at 7:32 AM, Stephen Kraemer wrote:

George,

I submitted the Kim, Moridis SPE proceedings paper into the new EPA STICS (scientific & technical information clearance system). This all electronic workflow is supposed to make clearance fast and efficient. This is the my first use of the system so we shall see how it goes. Normally a paper such as would not have to go through clearance, but since HF is "high visibility" we need to.

Do you have a drop dead date for final version of the paper?

Steve

<2D641920.gif>

Stephen R. Kraemer, Ph.D, Research Hydrologist

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<graycol.gif>George Moridis ---05/08/2012 10:43:29 AM---Steve: I will meet with Jihoon to look into these and potentially rephrase the sentences that could

From: George Moridis <gmoridis@lbl.gov>
To: Stephen Kraemer/ATH/USEPA/US@EPA
Date: 05/08/2012 10:43 AM
Subject: Re: 1at paper

Steve:

I will meet with Jihoon to look into these and potentially rephrase the sentences that could be a source of concern. The distances involved are quite small, so I am not worried about it too much. However, to be 100% sure, we will review our data again.

We will need a speedy process because the paper is to be presented in a month.

George Moridis
GJMoridis@lbl.gov

On May 4, 2012, at 9:33 AM, Stephen Kraemer wrote:

George,

Since this is one of the first manuscripts to come out of the HF project we need to figure out the process within EPA on how to handle.

I consider it "foundational" and not a "finding" related to HF impact on drinking water; there are a couple references to potential to impact drinking water resources, but no analysis of significance. For example on page 2, 5th paragraph, "Secondary fractures increase permeability dramatically, which can enhance gas production or might be a potential danger in environmental protection". or page 7, 3rd paragraph "This implies that gas production can cause failure away from the production well. This failure ... could be problematic if facilities exist or geological sealing is located around the failure area."

Jeanne is meeting with upper management next week and they should work out the clearance procedure for HF manuscripts. Will that be ok with you?

In the mean time, please add a basic EPA disclaimer:

The research described in this article has been funded wholly (or in part) by the U.S. Environmental Protection Agency through Interagency Agreement (DW-89-92235901-C) to the Lawrence Berkeley National Laboratory . The views expressed in this article are those of the author(s) and do not necessarily reflect the views or policies of the EPA .

Steve

P.S. In reading the paper, I am assuming that the increased permeability associated with the production phase is minor when compared to increased permeability associated with the injection/fracking phase. Is this correct intuition/ understanding?

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<graycol.gif>George Moridis ---05/02/2012 10:23:45 AM---Steve: I am attaching the first completed paper, for presentation to the SPE Americas Unconventional

From: George Moridis <gimoridis@lbl.gov>
To: Stephen Kraemer/ATH/USEPA/US@EPA
Cc: Jeanne Briskin/DC/USEPA/US@EPA
Date: 05/02/2012 10:23 AM
Subject: 1at paper

Steve:

I am attaching the first completed paper, for presentation to the SPE Americas Unconventional Resource Conference in Pittsburgh in early June 2012. You will see that it deals with purely scientific and very esoteric issues (such as the different kinds of coupling), involves a discussion of the capabilities of our codes, and approaches the subject from the point of view of geomechanical effects on production. In essence, we are demonstrating our capabilities that were developed into our codes as a part of our EPA-supported projects, but the discussion here does not address potentially sensitive issues such as the ones in the failure scenarios in our project. These will be discussed in later papers.

In short: this paper establishes the capabilities and capabilities of our codes; we will show what these codes produce when dealing with the failure scenarios of our project in papers that are now under preparation.

I would appreciate a quick turnaround, so we can be ready for the meeting.

All the best!

George Moridis
GJMoridis@lbl.gov

[attachment "SPE_155640_May12.doc" deleted by Stephen Kraemer/ATH/USEPA/US]